

Application Serial No. 10/523,859
Reply to Office Action of April 25, 2006

JUL 17 2006 PATENT
Docket No. CU-4077

REMARKS/ARGUMENTS

Reconsideration is respectfully requested.

Claims 1-4 are pending in the present application before this amendment. By the present amendment, claim 1 has been amended. No new matter has been added.

In the office action, claims 1-4 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent App. Pub. No. 2002/0103929 (Molnar) in view of U.S. Patent App. Pub. No. 2004/0203945 (Qu). The "et al." suffix is omitted in a reference name.

The applicants respectfully **disagree** in view of the current amendment.

The presently claimed invention is configured to use a mobile station ISDN (MSISDN) value instead of using the actual address of a short message service center, which was previously stored in a mobile station, as the address of a Service Center (SC) at the time of transmitting a Short Message Service (SMS) message, thereby flexibly selecting a short message service center to process the message.

In contrast, Molnar is configured such that a multi-network support-enabled terminal selects a network via which a message is transmitted. As a result, the presently claimed invention is different in construction from Molnar.

That is, the presently claimed invention is different from Molnar in that the presently claimed invention takes the load concentration on short message service centers into consideration at the time of transmitting an SMS message, while Molnar takes the load concentration in networks into consideration at the time of transmitting an SMS message.

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Furthermore, the presently claimed invention selects a short message service center for processing an SMS message while taking the load concentration on a plurality of short message service centers into consideration before transmitting the message.

In contrast, in order to transmit an SMS message to one of a plurality of networks supported by a mobile communication terminal, Molnar is configured to set a route indicator ROUT_IND (Route Indicator), select a route and then transmit the SMS message, and, if the transmission of the message fails, examine the load concentration in the networks, change the ROUT_IND value and then retransmit the SMS message via another network.

As a result, the presently claimed invention is different from Molnar with respect to transmission target, which load concentration is examined, and when the load is examined.

Moreover, the presently claimed invention uses the ISDN (MSISDN) value of the mobile station for flexible subscriber-based message processing at the time of transmitting an SMS message, thereby modifying only the data of the mobile switching center without individually changing the data of mobile communication terminals, and thus enabling handling at a minimum subscriber level. Accordingly, the presently claimed invention effectuates traffic to be distributed to a short message service center to which the message will be transmitted.

Molnar does not disclose suggest the corresponding construction or effects of the presently claimed invention. Therefore, even if Molnar is considered in combination with Qu, the presently claimed invention is still not taught or suggested.

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For the reasons set forth above, the applicants respectfully submit that claims 1-4 pending in this application are in condition for allowance over the cited references. Accordingly, the applicants respectfully request reconsideration and withdrawal of the outstanding rejections and earnestly solicit an indication of allowable subject matter. This amendment is considered to be responsive to all points raised in the office action. Should the examiner have any remaining questions or concerns, the examiner is encouraged to contact the undersigned attorney by telephone to expeditiously resolve such concerns.

Respectfully submitted,



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